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<ul><li>16</li><li>17</li><li>18</li></ul>	FOR THE NORTHERN D	ATES DISTRICT COURT DISTRICT OF CALIFORNIA ID DIVISION	
19	GENTEX CORPORATION and INDIGO	Case No. 4:22-cv-03892-YGR	
20	TECHNOLOGIES, LLC,	REVISED JOINT CLAIM	
21	Plaintiffs,	CONSTRUCTION STATEMENT	
22	THALES VISIONIX, INC.,		
23	Involuntary Plaintiff,		
24	V.		
25	META PLATFORMS, INC. and META		
26	PLATFORMS TECHNOLOGIES, LLC,		
27	Defendants.		
28			
	REVISED JOINT CLAIM		

Case No. 22-cv-3892-YGR

CONSTRUCTION STATEMENT

Pursuant to Patent Local Rule 4-3, the Court's Standing Order Regarding Patent Cases, the Case Management and Pretrial Order (ECF No. 116), and the Joint Order Regarding Claim Construction and Discovery (ECF No. 118), the parties to the above-titled action—Plaintiffs Gentex Corporation and Indigo Technologies, LLC (collectively, "Gentex" or "Plaintiffs"), and Defendants Meta Platforms, Inc. and Meta Platforms Technologies, LLC (collectively, "Meta" or "Defendants")—submit this Revised Joint Claim Construction Statement.

The claim terms identified below are found in United States Patent Nos. 6,757,068 (the "'068 patent"), 7,301,648 (the "'648 patent"), 8,224,024 (the "'024 patent"), 6,922,632 (the "'632 patent"), and 7,725,253 (the "'253 patent") (collectively, "Asserted Patents"). The patents fall into three families: the '068 and '648 Patents ("Family One"), the '632 and '253 Patents ("Family Two"), and the '024 Patent ("Family Three"). In accordance with paragraph 1(c) of the Court's Standing Order for Patent Cases, the Asserted Patents are attached as Exhibit 1 ('068 patent), Exhibit 2 ('648 patent), Exhibit 3 ('632 patent), Exhibit 4 ('253 patent), and Exhibit 5 ('024 patent).

### I. Patent L.R. 4-3(a): Proposed Construction of Each Agreed Term

The parties agree that the preamble of claim 1 of the '024 Patent is limiting.

'024 Patent		
Term	Claim	<b>Agreed Construction</b>
"A method comprising obtaining a camera image from a camera and processing said camera image in a data processor by computing the spatial location and azimuth of an object from the locations, in said camera image, of exactly two points on the object, and information about an orientation of the object, and generating one or more signals representative of the location and azimuth of the object, wherein computing the azimuth of the object comprises"	1	The preamble is limiting.

### II. Patent L.R. 4-3(b): Proposed Construction of Each Disputed Term

Pursuant to Patent Local Rule 4-3(b) and paragraph 2(e) of the Court's Standing Order For Patent Cases, the chart included as Appendix A to this Revised Joint Claim Construction Statement sets forth (a) the claim terms from the Asserted Patents for which the parties have not agreed on a construction, (b) each party's proposed constructions for those terms, (c) references from the specification or prosecution history of the Asserted Patents that each party contends support its

REVISED JOINT CLAIM
CONSTRUCTION STATEMENT

1 Case No. 22-cv-3892-YGR

proposed construction, and (d) extrinsic evidence known to each party on which it intends to rely either to support its proposed construction or to oppose the other party's proposed construction.

The parties will continue to discuss their disputed constructions in an attempt to narrow, if not eliminate, at least some of these disputes. Each party also expressly reserves the right to rely on the evidence identified by the other party.

# III. Patent L.R. 4-3(c): Identification of Terms Whose Construction Will Be Most Significant to Resolution of the Case

The parties together propose ten disputed terms for construction. <sup>1</sup> See Joint Order Regarding Claim Construction and Discovery, ECF No. 118 (ordering "claim construction will proceed on the parties" prior briefing"). Appendix A identifies all the disputed terms that are proposed. The parties have provided impact statements for the disputed terms in the chart attached as Appendix A to this Revised Joint Claim Construction Statement.

<u>Gentex statement.</u> Gentex proposes one term for construction, Term 4, and it believes no other contested term requires construction. Therefore, it believes Term 4 is the most significant to the resolution of the case, and does not take a position concerning which of the nine remaining terms proposed by Meta are more important than the other.

<u>Meta statement.</u> Meta proposes nine terms for construction, Terms 1-3 and 5-10. Meta's position is that the ten disputed terms are most significant to the resolution on the case because they bear on invalidity and non-infringement.

### IV. Patent L.R. 4-3(d): Time for Claim Construction Hearing

The claim construction hearing is scheduled on January 13, 2023 at 9:00 am. ECF No. 118. The parties anticipate that they will require no more than three (3) hours for the entire claim construction hearing.

<sup>&</sup>lt;sup>1</sup> The parties previously identified a total of 12 disputed terms. *See* ECF No. 118 at 1. In an effort to further narrow the terms in dispute, the parties have agreed to the construction of one term and dropped another term. Thus, there are now ten disputed terms.

### V. Patent L.R. 4-3(e): Witnesses at Claim Construction Hearing

As reflected in Appendix A, the parties have identified expert witnesses in connection with claim construction issues and have exchanged declarations setting forth those witnesses' testimony and opinions related to claim construction. However, the parties do not expect to call any expert witness to present live testimony at the hearing.

## VI. Patent L.R. 4-3(f): Identification of Any Factual Findings Requested From the Court Related to Claim Construction

The parties seek factual findings that a person of ordinary skill in the art, as of the filing dates of the Asserted Patents, would have interpreted the claim terms identified in Appendix A in the manners presented by the parties in their briefs and supporting expert witness declarations.

Gentex statement: In the event the Court decides that 35 U.S.C. § 112, ¶ 6 applies, then Gentex would seek factual findings confirming there is sufficient corresponding structure for the applicable terms.

Meta statement: Should the Court determine that 35 U.S.C. § 112, ¶ 6 applies, Meta would seek factual findings confirming that the evidence fails to disclose sufficient structure for the applicable means-plus-function terms, and therefore, such means-plus-function terms are indefinite.

1			
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	REVISED JOINT CLAIM		
	CONSTRUCTION STATEMENT	4	Case No. 22-cv-3892-YGR

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### **APPENDIX A**

All terms were proposed by Defendants except Term 4, which was proposed by Plaintiffs. In addition to the evidence cited below, each party also cites to the other party's expert declaration and the expert's deposition transcript.

### A. Family One Terms

Term 1 <sup>2, 3</sup>	Proposed Construction and Evidence in Support	
Claim Language	Gentex's	Meta's
'068, cls. 1, 11-12, 50, 54:	PROPOSED CONSTRUCTION	PROPOSED CONSTRUCTION
"sourceless orientation tracker"	Plain and ordinary meaning, in light of the claims and specification— <i>i.e.</i> , for "sourceless orientation	"can be used anywhere with no set-up of a source"
'648, cls. 1, 16, 40: "sourceless orientation tracker"	tracker," an orientation tracker that does not require setup of a fixed source that propagates a signal to the tracked sensor; and for "sourceless measurement," a measurement from a sourceless sensor	
'648, cl. 41: "sourceless measurement"	DICTIONARY/TREATISE DEFINITIONS	DICTIONARY/TREATISE DEFINITIONS
	Intrinsic Evidence	Intrinsic Evidence
	'068 Patent at 1:17–20, 1:26–27, 1:35–45, 14:57–60; <i>id.</i> at cls. 1, 11–12, 50, 54.	'068 Patent at 1:26-27, 1:35-41, 5:45-46; <i>id.</i> at cls. 1, 11, 12, 40, 54.
	'648 Patent at cl. 1, 16, 40–41.	'648 Patent at cls. 1, 16, 40, 41.

<sup>&</sup>lt;sup>2</sup> Defendants object to Plaintiffs' inclusion of the construction for "sourceless measurement" as "a measurement from a sourceless sensor." Plaintiffs did not propose this construction in Plaintiffs' February 14, 2022 Identification of Revised Initial Terms and Constructions or March 21, 2022 Opening Claim Construction Brief.

<sup>&</sup>lt;sup>3</sup> Plaintiffs respond that their opening brief stated, "A 'sourceless measurement' is simply a measurement from a sourceless sensor." Pls.' Br. 4.

REVISED JOINT CLAIM

Term 1 <sup>2, 3</sup>	Proposed Construction and Evidence in Support	
Claim Language	Gentex's	Meta's
	EXTRINSIC EVIDENCE	EXTRINSIC EVIDENCE
<b>Gentex's Impact Statement:</b>	Gentex believes that these claims are valid and infringed under its construction.	
<b>Meta's Impact Statement:</b>	Meta believes that under its construction, these claims are not infringed and invalid.	

Term 2	Proposed Construction and Evidence in Support	
Claim Language	Gentex's	Meta's
'068, cls. 1, 54: "track a position of	PROPOSED CONSTRUCTION	PROPOSED CONSTRUCTION
a first localized feature associated with a limb of the user" '648, cl. 1: "track a position of a first localized feature associated	Plain and ordinary meaning, in light of the claims and specification— <i>i.e.</i> , track a position of a first part of a limb of a user, or an object or part of an object associated with a limb of the user	Indefinite
with a limb of the user"	INTRINSIC EVIDENCE	INTRINSIC EVIDENCE
	'068 Patent at 1:46–61, 5:45–6:29; <i>id.</i> at cls. 1, 3–4, 54.	'068 Patent at 1:46–61, 5:5-12, 14:5-10, 5:45–6:29; <i>id.</i> at cls. 1, 54.
	'648 Patent at cl. 1.	'648 Patent at cl. 1.
	EXTRINSIC EVIDENCE	EXTRINSIC EVIDENCE
	LaViola Decl. ¶¶ 31–37; LaViola Dep. Tr. 33:25–34:5 (in rebuttal);  Kenneth A. Duell & Mark O. Freeman, <i>Localized Feature Selection to Maximize Discrimination</i> , Proc. SPIE 1564 (1991) (Meta Ex. 9, GNTX0001617–GNTX0001629);  Bobick Decl. ¶¶ 18, 26, 29–30; Bobick Dep. Tr.	Bobick Decl. ¶¶ 26-31; LaViola Dep. Tr. at 33:21-34:7, 34:20-35:3, 36:2-37:25; LaViola Decl. ¶ 34. GNTX0001630, GNTX0001617.
	69:21–70:9, 78:25–80:11, 85:11–12, 117:19–118:23.	
Gentex's Impact Statement:	Gentex believes that these claims are valid and infringed under its construction.	
Meta's Impact Statement:	Meta's construction of this disputed term would render the identified claims and associated dependent claims as invalid for being indefinite.	

Term 3	Proposed Construction and Evidence in Support		
Claim Language	Gentex's	Meta's	
'068, cl. 26: "after changing the	PROPOSED CONSTRUCTION	PROPOSED CONSTRUCTION	
position of the first localized feature, redisplaying the first object at a second position on the display	Plain and ordinary meaning, in light of the claim and specification	Indefinite	
device determined based on the	INTRINSIC EVIDENCE	INTRINSIC EVIDENCE	
change in the position of the first localized feature."	'068 Patent, cls. 15, 26	'068 Patent, cls. 1, 14, 15, 16, 26	
	EXTRINSIC EVIDENCE	EXTRINSIC EVIDENCE	
	LaViola Decl. ¶ 41; LaViola Dep. Tr. 53:19–54:16 (in rebuttal); Bobick ¶ 40.	Bobick Decl. ¶¶ 37–41; LaViola Dep. Tr. at 56:1-4.	
Gentex's Impact Statement:	Gentex believes this claim is valid and infringed under its construction.		
Meta's Impact Statement:	Meta's construction of this disputed term would render the identified claim and associated dependent claims as invalid for being indefinite.		

Term 4	Proposed Construction	Proposed Construction and Evidence in Support	
Claim Language	Gentex's	Meta's	
'648, cl. 56: "A system	PROPOSED CONSTRUCTION	PROPOSED CONSTRUCTION	
comprising "	"method"	The word "system" should be given its plain and ordinary meaning.	
		The claim is indefinite, including at least as a mixed method and apparatus claim.	
	INTRINSIC EVIDENCE	INTRINSIC EVIDENCE	
	'068 Patent, at cls. 56–57.	'068 Patent, cls. 56-59. GNTX0000296.	
Gentex's Impact Statement:	Gentex believes this claim is valid and infringed under its construction.		
Meta's Impact Statement:	Meta's construction of this disputed term would render the identified claim and associated dependent claims as invalid for being indefinite, i.e., a mixed method and apparatus claim.		

Term 5	Proposed Construction and Evidence in Support		
Claim Language	Gentex's	Meta's	
'648, cl. 20: "providing a head	PROPOSED CONSTRUCTION	PROPOSED CONSTRUCTION	
mounted display including a body stabilized information cockpit "	Plain and ordinary meaning, in light of the claim and specification—i.e., an information cockpit displayed at a fixed location relative to a user's body	"a display at a fixed location on an information surround, which is a kind of cylindrical or spherical bubble of information that follows the user's body position around"	
	INTRINSIC EVIDENCE	INTRINSIC EVIDENCE	
	'648 Patent, at 9:9–22, 9:48–54, 9:8–10:12, 12:50–52; <i>id.</i> at cl. 20.	'648 Patent at 9:12-20, 9:41-52, 9:61-10:3, 10:19-25, 12:50-54; <i>id.</i> at cl. 20.	
Gentex's Impact Statement:	Gentex believes this claim is valid and infringed under its construction.		
Meta's Impact Statement:	Meta believes that under its construction, these claims are not infringed and invalid.		

### **B.** Family Two Terms

Term 6	Proposed Construction and Evidence in Support		
Claim Language	Gentex's	Meta's	
'632, cl. 5: " state estimate	PROPOSED CONSTRUCTION	PROPOSED CONSTRUCTION	
characterizes an estimate of a location of the object "	Plain and ordinary meaning, in light of the claims and specification	Indefinite	
'632, cl. 6. " state estimate characterizes configuration	DICTIONARY/TREATISE DEFINITIONS	DICTIONARY/TREATISE DEFINITIONS	
information for one or more sensing elements fixed to the	Characterize, Merriam-Webster's Collegiate	Characterize, Merriam-Webster's Collegiate	
object "	Dictionary (11th ed. 2007); <i>Characterize</i> , The American Heritage College Dictionary (3d ed.	DICTIONARY (11th ed. 2007); Characterize, THE	
'632, cl. 59. " information characterizing a type of a	1997).	AMERICAN HERITAGE COLLEGE DICTIONARY (3rd	
sensor"		ed. 1997)	
'632, cl. 60. " information	humaniara Primarian	Lymp proce Even proce	
characterizing a position or an	Intrinsic Evidence	Intrinsic Evidence	
orientation of a sensor " '632, cl. 61. " information characterizing one or more calibration parameters of a	'632 patent, at 15:43–47, 28:18–32; <i>id.</i> at cls. 5–6, 59–61.	'632 Patent at 21:42-47, 2:60-63, 3:4-6, 3:21-24, 3:37-45, 5:32-35, 5:36-40, 5:41-45, 7:15-17, 7:18-21, 7:23-26, 10:7-9; <i>id.</i> at cls. 5, 6, 59, 60, 61	
sensor"	EXTRINSIC EVIDENCE	EXTRINSIC EVIDENCE	
	LaViola Decl. ¶¶ 57–65; LaViola Dep. Tr. 86:24–87:14; 87:6–22 (in rebuttal); Bobick Decl. ¶¶ 53, 55; Bobick Dep. Tr. 175:17–20.	Bobick Decl. ¶¶ 53–61; LaViola Dep. Tr. at 86:24 87:14, 91:23-92:4; LaViola Decl. ¶ 64.	
<b>Gentex's Impact Statement:</b>	Gentex believes that these claims are valid and infringed under its construction.		
Meta's Impact Statement:  Meta's construction of this disputed term would render the identified claim and a dependent claims as invalid for being indefinite.			

Term 7	Proposed Construction and Evidence in Support		
Claim Language	Gentex's	Meta's	
	PROPOSED CONSTRUCTION	PROPOSED CONSTRUCTION	
Estimation module	Plain and ordinary meaning, in light of the claims and specification— <i>i.e.</i> , "module that accepts sensor configuration and measurement information	Means-plus-function under § 112, ¶ 6.	
'632, cls. 47, 50– 52	and updates a state estimate using some or all of that information." (35 U.S.C. § 112, ¶ 6 does not apply.)		
	Alternatively, if 35 U.S.C. § 112, ¶ 6 applies:  Function: "maintaining estimates of tracking parameters"  Structure: "accepting configuration information from each of the sensor modules regarding the characteristics of the sensors associated with the sensor module, configuring the estimation module using the provided configuration information, and repeatedly (a) passing data based on the estimates of the tracking parameters to one or more of the sensor modules, (b) receiving from said one or more sensor modules data based on measurements obtained from the associated sensors, and the data passed to the sensor modules and the estimates of the tracking parameters to update the tracking parameters." In addition, claim 50-52 provide additional structural limitations as applicable to those claims.  If additional structure is required: The portion of a navigation or tracking system that is specific to updating the states of the system, which processes information from sensing elements and updates the states using an iterative process, where the iterative process may be a stochastic model, such as a Kalman filter, a complementary extended Kalman filter, any of the other	Function: "maintaining estimates of tracking parameters in the estimation module, including repeatedly passing data based on the estimates of the tracking parameters from the estimation module to one or more of the sensor modules, receiving from said one or more sensor modules at the estimation module data based on measurements obtained from the associated sensors, and the data passed to the sensor modules, and combining the data received from said one or more sensor modules and the estimates of the tracking parameters in the estimation module to update the tracking parameters."  Structure: Indefinite	
	algorithms described at 6:60-7:14 and 10:40-11:9 of the specification, or equivalents. <i>See</i> , <i>e.g.</i> , '632 patent at 3:60-61, 6:60-7:14, 10:40-11:9, 20:6-19, 26:3-12. The structure associated with the estimation module and claimed functions further includes the portions of the specification		

Term 7		Proposed Construction and Evidence in Support	
Claim Language		Gentex's	Meta's
	modules, o	r any algorithm equivalent to this functionality. <i>See, e.g., id.</i> at 5:61-16:5, 17:5-16, 45:51-46:16.	
	Intrinsic 1	EVIDENCE	INTRINSIC EVIDENCE
1 -		t at 3:60–61, 6:32–43, 6:60–7:14, 10:40-11:9, 13:47-64, 15:61-16, 20:6-19, 26:3-12, 45:51-46:16, 50:12; <i>id.</i> cls. 47, 50-52.	'632 Patent at 7:39-9:3, 17:57-60, 18:12-17, 24:26-28, 24:45-67, 27:29-31, 42:33-38; <i>id.</i> at cls. 47, 50, 51, 52.
Extri		EVIDENCE	EXTRINSIC EVIDENCE
	rebuttal); Bobick De	ecl. ¶¶ 70–77, 79–93, 98, 118, 120–21, 133, 136, 142 (in cl. ¶¶ 67, 69; Bobick Tr. 27:21–25, 34:11–16, 46:2–7, 191:9–23, 07:13–208:10.	Bobick Decl. ¶ 67-69; LaViola Dep. Tr. at 93:16-23, 95:13-23; LaViola Decl. ¶ 83.
<b>Gentex's Impact Statement:</b>		Gentex believes this claim is valid and infringed under its constru	action.
Meta's Impact Statement:		Meta's construction of this disputed term would render the identical claims as invalid for being indefinite.	fied claim and associated dependent

Term 8	Proposed Construction and Evidence in Support		
Claim Language	Gentex's	Meta's	
	PROPOSED CONSTRUCTION	PROPOSED CONSTRUCTION	
'632, cls. 1–2; '253, cls. 1, 3–4, 6.	Plain and ordinary meaning, in light of the claims and specification— <i>i.e.</i> , "subsystem that accepts sensor configuration and measurement information and updates a state estimate using some or all of that information." (35 U.S.C. § 112, ¶ 6 does not apply.)	Means-plus-function under § 112, ¶ 6.	
	Alternatively, if 35 U.S.C. § 112, ¶ 6 applies:	'632 patent, claim 1–2—Function: "accepting	
	'632 patent, claims 1 and 2—	configuration data from the sensor subsystem" and "repeatedly updating a state estimate, including	
	<b>Function:</b> "providing or updating a state estimate for the object"	accepting measurement information from the sensor subsystem, and updating the state estimate	
	<b>Structure:</b> "accepting configuration data from the sensor subsystem, configuring the estimation subsystem	according to the accepted configuration data and the accepted measurement data"	
	according to the accepted configuration data, accepting measurement information from the sensor subsystem, and providing or repeatedly updating the state estimate according to the accepted configuration data and the accepted measurement data." In addition, claim 2 provides additional structural limitations as applicable to that claim (i.e., that "coupling the sensor subsystem to the estimation subsystem includes coupling software modules each associated with one or more of the sensing elements").	Structure: Indefinite	
	If additional structure is required:		
	For '632 patent, claims 1 and 2: The portion of a navigation or tracking system that is specific to updating the states of the system, which processes information from sensing elements and updates the		

Term 8	Proposed Construction and Evidence in Support		
Claim Language	Gentex's	Meta's	
	states using an iterative process, where the iterative process may be a stochastic model, such as a Kalman filter, a complementary extended Kalman filter, any of the other algorithms described at 6:60-7:14 and 10:40-11:9 of the specification, or equivalents. <i>See, e.g.</i> , '632 patent at 3:60-61, 6:60-7:14, 10:40-11:9, 20:6-19, 26:3-12.		
	In addition, for '632 patent, claim 2: The structure associated with the estimation subsystem and its claimed functions further includes the portions of the specification regarding the interactions between the sensor fusion core and sensor modules associated with one or more of the sensing elements, or equivalents. See, e.g., id. at 18:34-38, 19:1-6, 19:20-25.		
	Alternatively, if 35 U.S.C. § 112, ¶ 6 applies:  '253 claims 1, 3, and 4—  Function: "updating a location estimate for the object"	'253 patent, claims 1, 3—Function: "updat[ing] a location estimate for the object based on configuration data and measurement information	
	Structure: "accepting from the sensor subsystem configuration data and measurement information for localizing an object, and updating a location estimate for the object based on configuration data and measurement information accepted from the sensor subsystem." In addition, claims 3 and 4 provide additional structural limitations as applicable to those claims (i.e., that the components of the sensor subsystem can "perform computations independently of an implementation of the estimation subsystem" for	accepted from the sensor subsystem"  Structure: Indefinite  '253 patent, claim 4—Function: "perform[ing] computations independently of an implementation of the sensor modules"  Structure: Indefinite	

Term 8	Proposed Construction and Evi	idence in Support
Claim Language	Gentex's	Meta's
	claim 3, and that "the estimation subsystem [can] perform computations independently of" the components of the sensor subsystem for claim 4).	
	If additional structure is required:	
	For '253 claims 1, 3, and 4: The portion of a navigation or tracking system that is specific to updating the states of the system, which processes information from sensing elements and updates the states using an iterative process, where the iterative process may be a stochastic model, such as a Kalman filter, a complementary extended Kalman filter, any of the other algorithms described at 6:60-7:14 and 10:40-11:9 of the specification, or equivalents. <i>See, e.g.</i> , '632 patent at 3:60-61, 6:60-7:14, 10:40-11:9, 20:6-19, 26:3-12.	
	In addition, for '253 patent, claim 1: The structure associated with the estimation subsystem and its claimed functions further includes the portions of the specification specific to updating a location estimate for a tracked object, or equivalents. <i>See, e.g., id.</i> at 12:37-40, 16:59-64.	
	In addition, for '253 patent, claims 3-4: The structure associated with the estimation subsystem and its claimed functions further includes the portions of the specification regarding the sensor fusion core performing calculations independently of the specific implementation of sensor modules associated with	

Term 8	Proposed Construction and Evidence in Support		
Claim Language	Gentex's	Meta's	
	sensing elements and vice versa, or equivalents. See, e.g., id. at 4:26-31, 16:38-44, 17:33-38.		
	Alternatively, if 35 U.S.C. § 112, ¶ 6 applies:	'253 patent, claim 6—Function: "estimat[ing] a	
	'253 patent, claim 6—	position or orientation of an object"	
	<b>Function:</b> "estimating the position or orientation of the object"	Structure: Indefinite	
	Structure: "accepting parameters specific to the enumerated sensing elements and estimating the position or orientation of the object based on the accepted parameters."		
	If additional structure is required: The portion of a navigation or tracking system that is specific to updating the states of the system, which processes information from sensing elements and updates the states using an iterative process, where the iterative process may be a stochastic model, such as a Kalman filter, a complementary extended Kalman filter, any of the other algorithms described at 6:60-7:14 and 10:40-11:9 of the specification, or equivalents. <i>See</i> , <i>e.g.</i> , '632 patent at 3:60-61, 6:60-7:14, 10:40-11:9, 20:6-19, 26:3-12.		
	The structure associated with the estimation subsystem and its claimed functions further includes the portions of the specification regarding accepting parameters specific to enumerated sensing elements, <i>see</i> , <i>e.g.</i> , <i>id</i> . at 18:34-38, 19:1-6, 19:20-25, and updating a location		

Term 8	Proposed Construction and Evidence in Support		
Claim Language		Gentex's	Meta's
		for a tracked object based on these parameters, <i>id.</i> at 12:37-40, 16:59-64, or equivalents.	
	Intrinsic	EVIDENCE	Intrinsic Evidence
	10:21–64, 17:33–38, 12, 46:26;	at, at 2:41–46, 3:60–61,4:26–31, 6:60–7:14, 10:40–11:9, 12:37–40, 16:38–44, 16:59–64, 18:34–38, 19:1–6, 19:20–25, 20:6–19, 26:3–id. at cls. 1–2, 4, 7–8, 14. at, at cls. 1, 3–4, 6.	'632 Patent at 2:35–59, 3:25–28, 4:11–57, 6:57–64, 10:40–64, 17:57-60, 18:12-17, 24:26-28, 24:45-67, 27:29-31, 42:33-38; <i>id.</i> at cls. 1, 2. '253 Patent, cls. 1, 3, 4, 6.
	EXTRINSIC	EVIDENCE	EXTRINSIC EVIDENCE
		ecl. ¶¶ 77, 79–82, 89, 93, 97–113, 122, 128, 143, 146 (in rebuttal);	Bobick Decl. ¶¶ 73–76; LaViola Dep. Tr. at 119:22-120:7, 120:11-19, 114:1-5.
		ecl. ¶¶ 73, 76; Bobick Dep. Tr. 191:9–23, 218:19–220:3.	
Gentex's Impact Statem	npact Statement: Gentex believes that these claims are valid and infringed under its construction.		aged under its construction.
Meta's Impact Statement: Meta's construction of this disputed term would render the identified claim and associated declaims as invalid for being indefinite.		ler the identified claim and associated dependent	

Term 9	Proposed Construction and Evidence in Support			
Claim Language	Gentex's	Meta's		
	PROPOSED CONSTRUCTION	PROPOSED CONSTRUCTION		
Sensor module(s) '632 claims 47, 50, 59–61;	Plain and ordinary meaning, in light of the claims and specification— <i>i.e.</i> , "interface or interfaces between a set of one or more sensors and a tracking system." (35 U.S.C. § 112, ¶ 6 does not apply.)	Means-plus-function under § 112, ¶ 6.		
'253 claims 2–4.	Alternatively, if 35 U.S.C. § 112, ¶ 6 applies: '632 patent, claims 47, 50, 59–61—	'632 claims 47, 50, 59-61— Function: "providing		
	<b>Function:</b> "providing information from a set of one or more sensors to the estimation module"	configuration information to the estimation module regarding characteristics of the sensors		
Stricha mo on est ser mo	Structure: "providing configuration information regarding the characteristics of a set of one or more sensors associated with the sensor module, and repeatedly (a) receiving from the estimation module data based on the estimates of the tracking parameters, and (b) providing to the estimation module data based on measurements obtained from the associated sensors and the data received by the sensor module from the estimation module." In addition, claims 50 and 59-61 of the '632 Patent provide additional structural limitations as applicable to those claims.	associated with the sensor module"; "[receiving] data based on estimates of the tracking parameters from the estimation module;" and "[sending] data based on measurements obtained from the associated sensors"		
	If additional structure is required: '632 patent, claims 47, 50, 59-61: The structure associated with the sensor module and its claimed functions further includes the portions of the specification regarding receiving updated tracking parameters from the estimation subsystem, or equivalents. See, e.g., '632 patent at 13:47-65, 15:61-16:5, 17:5-16, 18:34-38, 45:27-44, 45:51-46:16.	Structure: Indefinite		
	In addition, for '632 patent, claim 59: The structure associated with the sensor module and its claimed functions further includes the portions of the specification regarding configuration information about the type of sensor, or equivalents. <i>See, e.g., id.</i> at 10:7-11, 30:37-56, 35:11-53, 42:47-51.			
	In addition, for '632 patent, claim 60: The structure associated with the sensor module and its claimed functions further includes the portions of the			

Term 9	Proposed Construction and Evidence in Support		
Claim Language	Gentex's	Meta's	
	specification regarding measurement information about the position or orientation of a sensor, or equivalents. <i>See, e.g., id.</i> at 13:11-14, 14:8-15:42.		
	In addition, for '632 patent, claim 61: The structure associated with the sensor module and its claimed functions further includes the portions of the specification regarding configuration information about the calibration parameters of a sensor, or equivalents. <i>See, e.g., id.</i> at 13:47-54, 15:61-16:5, 17:5-16, 18:56-59, 27:34-36, 28:18-46.		
	Alternatively, if 35 U.S.C. § 112, ¶ 6 applies:	'253 claims 2, 4—Function:	
	'253 claims 2-4—	"providing an interface for interacting with a corresponding	
	Function: "providing information from a set of one or more sensors"	set of one or more sensing	
	Structure: "providing an interface for interacting with a corresponding set of	elements"	
	one or more sensing elements." In addition, claims 3 and 4 provide additional structural limitations as applicable to those claims.	Structure: Indefinite	
If additional structure is required: For '253 patent, claims 3-4: The structure associate module and its claimed functions further includes the specification specific to the sensor fusion core performs independently of the specific implementation of sensor.	If additional structure is required: For '253 patent, claims 3-4: The structure associated with the sensor module and its claimed functions further includes the portions of the specification specific to the sensor fusion core performing calculations independently of the specific implementation of sensor modules, and vice versa, or equivalents. See, e.g., '253 patent at 4:26-31, 16:38-44, 17:33-38,	'253 claim 3—Function: "performing computations independently of an implementation of the estimation subsystem"  Structure: Indefinite	
	Intrinsic Evidence	INTRINSIC EVIDENCE	
	'632 Patent, at 4:35–38, 10:7-11, 13:11-14, 13:47-65, 14:8-15:42, 15:61-16:5, 16:45–46, 17:5-16, 18:34-38, 18:56-59, 27:34-36, 28:18-46, 30:37-56. 35:11-53, 42:47-51, 45:27-44, 45:51-46:16; <i>id.</i> at cls. 47, 50, 59–61;	'632 Patent at 9:61-10:6, 10:1–16, 10:34–37.; <i>id.</i> at cls. 47, 50, 59, 60, 61.	
	'253 Patent, at 4:26-31, 16:38-44, 17:33-38, 20:36-44, 22:38-50; <i>id.</i> at cls. 2–4.	'253 Patent at 11:49-51, 12:50-52, 15:51-54; <i>id.</i> at cls. 1-2.	

Term 9	Proposed Construction and Evidence in Support		
Claim Language	Gentex's		Meta's
	EXTRINS	IC EVIDENCE	EXTRINSIC EVIDENCE
		Decl. ¶¶ 89, 93, 104, 113, 117–121, 123–128, 137, 146 (in rebuttal); Decl. ¶ 80; Bobick Dep. Tr. 191:9–23, 192:4–9, 194:6–10.	Bobick Decl. ¶¶ 80–84; LaViola Dep. Tr. at 133:25-134:5; LaViola Decl. ¶ 123.
<b>Gentex's Impact Statement:</b>		Gentex believes that these claims are valid and infringed under its construction.	
Meta's Impact Statement:		Meta's construction of this disputed term would render the identified claim and associated dependent claims as invalid for being indefinite.	

Term 10	Proposed Construction and Evidence in Support				
Claim Language	Gentex's	Meta's			
	PROPOSED CONSTRUCTION	PROPOSED CONSTRUCTION			
Sensor subsystem '253, cls. 1–2	Plain and ordinary meaning, in light of the claims and specification— <i>i.e.</i> , "subsystem that provides configuration information and measurement information from sensors to the estimation subsystem." (35 U.S.C. § 112, ¶ 6 does not apply.)	Means-plus-function under § 112, ¶ 6.			
	Alternatively, if 35 U.S.C. § 112, ¶ 6 applies:	'253 patent, claims 1, 2—Function:			
	'253 patent, claims 1, 2—Function: "providing information to the estimation subsystem for localizing an object,"	"provid[ing] configuration data to the estimation subsystem and provid[ing]			
	<b>Structure:</b> "providing configuration data to the estimation subsystem, and providing measurement information to the estimation subsystem for localizing an object."	measurement information to the estimation subsystem for localizing an object"			
	If additional structure is required:	Structure: Indefinite			
	For '253 patent, claims 1, 2: A software subsystem that provides an interface between sensors and an estimation subsystem, collects configuration data from sensors, and sends measurement information about sensor measurements to the estimation subsystem to update the state of the system. <i>See, e.g.</i> , '632 patent at 16:41-46, 17:27-28, 18:3-8, 18:48-51.				
	In addition, for '253 patent, claim 2: The structure associated with the sensor subsystem and its claimed functions further includes the sensor modules discussed above, or equivalents.				
	Intrinsic Evidence	Intrinsic Evidence			
	'632 patent at 4:23–25, 16:41–46, 17:27–28, 18:3–8, 18:48–51; '253 patent, at cls. 1–2.	'253 Patent at 2:36-47, 2:50-52, 3:10-14, 4:7-15, 4:18-27; <i>id.</i> at cls. 1, 2. '632 Patent at 2:35–52, 3:10–15, 4:7–20.			
		032 1 atont at 2.33–32, 3.10–13, 4.7–20.			

Term 10		Proposed Construction and Evidence in Support		
Claim Language	Gentex's		Meta's	
EXTRINSIC		EVIDENCE	EXTRINSIC EVIDENCE	
	LaViola Decl. ¶¶ 118, 121, 132–133, 135–137 (in rebuttal); Bobick Decl. ¶¶ 88, 90; Bobick Dep. Tr. 191:9–23, 192:4–9.		Bobick Decl. ¶¶ 88–90; LaViola Dep. Tr.	
			at 159:12-18, 159:19-160:1.	
Gentex's Impact Statement:		Gentex believes these claims are valid and infringed under its construction.		
Meta's Impact Statement:		Meta's construction of this disputed term would render the identified claim and associated dependent claims as invalid for being indefinite.		